

## United States Department of Agriculture

## SERVICE AND REGULATORY ANNOUNCEMENTS

## BUREAU OF ANIMAL INDUSTRY

NOVEMBER, 1925

[This publication is issued monthly for the dissemination of information, instructions, ruling, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 25 cents a year. A supply will be sent to each official in charge of a station or branch of the bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.]

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## CHANGES IN DIRECTORY

## Meat Inspection Granted

794. Morris Cherkasky, 307 Callowhill Street, Philadelphia, Pa.  
 915. Greisler Bros., 230-232 North Delaware Avenue, Philadelphia, Pa.  
 1002. Williams & Gettys, Etowah Road, Athens, Tenn.

## Meat Inspection Withdrawn

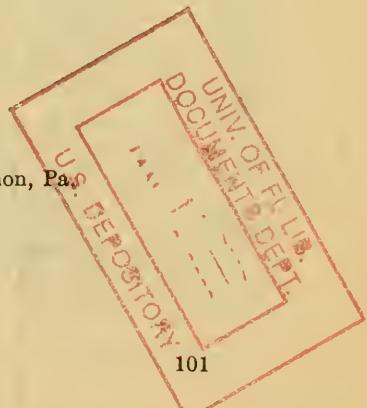
210. The Best Foods (Inc.), Bayonne, N. J.  
 231. Valley Packing & Provision Co., Sharon, Pa.  
 367. Dunlevy Franklin Co., Pittsburgh, Pa.  
 426. Pure Food Speciality Co., Lawrence, Mass.  
 433. Stiefel O'Mara Co. (Inc.), New York, N. Y.  
 594. Golden Packing Co. (Inc.), New York, N. Y.  
 659. The Lebanon Bologna & Provision Co., Lebanon, Pa.  
 741. August Walter, Cincinnati, Ohio.  
 901. Albert L. Brahm, Pittsburgh, Pa.  
 907. Chas. A. Bohn Co., Boston, Mass.  
 916. Wattendorff & Feeney Co., Boston, Mass.

## Market Inspection Granted

Pittsburgh, Pa., official number 45.

72765°-25†

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**Change in Name of Official Establishment**

162. Christian Seiler's Sons, 2719 West Susquehanna Avenue, Philadelphia, Pa., instead of Christian Seiler.

**Change in Name and Address of Official Establishment**

\*294. The Wiederstein Packing Co., 2162 Colerain Avenue, Cincinnati, Ohio, instead of The John Hoffman's Sons Co., 2148 Colerain Avenue.

\*582. Geo. L. Zockler & Sons, 118 Bow Street, Wheeling, W. Va., instead of Geo. L. Zockler, 112 Bow Street.

**Substation Added**

Athens, Tenn., meat inspection, substation of Chattanooga, Tenn.

**Substations Discontinued**

Lawrence, Mass., meat inspection, substation of Haverhill, Mass.  
Sharon, Pa., meat inspection, substation of Pittsburgh, Pa.

**NOTICES REGARDING MEAT INSPECTION****SODIUM NITRITE FOR CURING MEATS**

Under the provisions of Amendment 4 to B. A. I. Order 211, revised, sodium nitrite may be used for curing meats.

Extended experiments have shown that meats can be successfully cured with quantities of sodium nitrite such as will not result in the presence of more than 200 parts per million in the finished meats. Therefore, pending further ruling by the bureau, the finished product shall not contain sodium nitrite in excess of that amount.

The function of sodium nitrite in the curing of meats, like that of sodium nitrate and potassium nitrate, is the fixation of the red color. The nitrates are in fact inactive as such and become effective only after having been converted into the corresponding nitrites. Neither the nitrates nor nitrites are of any particular value as preservatives in the quantities used.

Since sodium nitrite consists of the color fixative in active form, the quantity required is much less than is the case with the nitrates. In general, the correct quantity of nitrite is approximately one-tenth that of nitrate. The substitution of 1 pound of nitrite for each 10 pounds of nitrate used in the pickle or curing mixture in regular use is, therefore, recommended as a convenient starting point in making the change from nitrate to nitrite. It must be remembered, however, that many curing formulas contain unnecessarily large quantities of nitrate. In such case, less than one-tenth the quantity of nitrate can be used to advantage. This is particularly the case with pumping pickles.

For meats cured in pickle, either plain or sweet, including hams, shoulders, bacon, beef hams, corned beef, beef tongues, and other products, it is recommended that no more than 2 pounds of sodium nitrite be used in each 100 gallons of pickle. Satisfactory results have been reported with one-fourth of this quantity, or 8 ounces of sodium nitrite to 100 gallons of pickle.

For pumping pickles it is recommended that not more than 8 ounces of sodium nitrite to 100 gallons of pickle be used. The bureau will not object, however, to the use of a pumping pickle equivalent in nitrite strength to the curing pickle. The use of a nitrate pumping pickle in connection with a nitrite curing pickle should be avoided.

For fancy bacon in box cure and other dry-cured meats, including dry salt bacon, shoulders, hams, butts, pork loin, capicola, and similar products, it is recommended that not more than 1 ounce of sodium nitrite to 100 pounds be used. In using sodium nitrite as a constituent of a dry-curing mixture, thorough mixing of the ingredients is essential to satisfactory results. An efficient mechanical mixer, preferably power driven, is recommended.

For sausage and similar products in which the whole quantity of sodium nitrite added remains in the product, one-fourth ounce of sodium nitrite to each 100 pounds of meat is recommended. This quantity is known to be sufficient for satisfactory results.

\* Conducts slaughtering.

All new supplies of sodium nitrite must be sampled for laboratory examination. Pickles and dry-curing mixtures should be sampled with sufficient frequency to keep the information as to their nitrite strength up to date. Samples of cured and smoked meats cured with sodium nitrite need not be submitted to the laboratory for examination unless the proportions of sodium nitrite recommended above are exceeded or unless called for by the laboratory. The inspector in charge, of course, may submit samples of cured and smoked meats whenever in his judgment it appears advisable to do so.

#### CHILLED AND FROZEN MEATS FOR JAMAICA

In accordance with an order of the acting governor of Jamaica in privy council on August 25, 1925, chilled and frozen meats from the United States may now be landed at any port in Jamaica.

#### BOCKWURST

The bureau has been informed by the Institute of American Meat Packers that the genuine bockwurst is prepared from meat and eggs, with or without milk, and without cereal or similar substance; also that this product normally contains abundant moisture. In view of such information, the bureau decided not to regard a product prepared according to the formula for the genuine bockwurst as a sausage substitute. Accordingly the name of the genuine product need not be branded on the casings. Cartons and other containers, however, shall bear the name "Bockwurst" as the true name of the product.

#### REPORTS ON M. I. FORMS 116-D, 121-D, AND 122-D

Referring to the instructions on page 61 in the June, 1925, Service and Regulatory Announcements, requiring a report from each establishment for each country of final destination of products stamped and certified for export, inspectors in charge are advised that reports on M. I. Forms 116-D, 121-D, and 122-D, for each country and showing the monthly totals for the station, will be sufficient.

#### ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, OCTOBER, 1925

Station	Cattle	Calves	Sheep	Goats	Swine
Baltimore	8,513	1,815	2,161		71,021
Brooklyn	6,202	8,555	25,966	1	
Buffalo	11,956	2,896	9,550		79,180
Chicago	225,222	54,575	255,943	1,293	459,824
Cincinnati	13,603	7,960	5,261	11	65,372
Cleveland	10,467	9,891	14,755		63,918
Denver	14,745	3,128	11,687	23	16,518
Detroit	7,476	7,009	20,046		78,750
Fort Worth	37,809	51,525	18,357	2,221	16,985
Indianapolis	22,816	3,667	3,863		31,498
Jersey City	4,862	8,882	32,864		70,199
Kansas City	149,463	48,081	103,200	4,271	149,415
Milwaukee	14,404	32,793	7,013		121,658
National Stock Yards	54,021	13,965	20,173	2,594	126,745
New York	28,521	41,155	147,488		92,352
Omaha	107,004	23,051	92,191	79	115,159
Philadelphia	9,661	6,628	15,850	1	93,974
St. Louis	19,489	4,394	6,544		136,142
Sioux City	45,375	7,999	33,933		106,206
South St. Joseph	47,559	12,670	71,453	16	80,788
South St. Paul	70,025	57,322	74,384		272,633
All other establishments	157,395	78,030	110,391	1,502	1,015,616
October, 1925	1,066,528	486,011	1,083,073	12,012	3,314,353
October, 1924	1,015,289	473,468	1,147,514	4,059	3,498,135
10 months ended October, 1925	8,065,495	4,509,078	10,140,984	27,328	34,863,693
10 months ended October, 1924	7,715,314	4,127,056	10,068,952	22,477	41,631,354

Horses slaughtered at all establishments, October, 1925, 3,891. Inspections of lard at all establishments, 111,215,931 pounds; compound and other substitutes, 49,411,604 pounds. Corresponding inspections for October, 1924; Lard, 111,933,332 pounds; compound and other substitutes, 55,814,935 pounds.

(These totals do not represent actual production, as the same lard or compound may have been inspected and recorded more than once in the process of manufacture.)

## CAUSES FOR CONDEMNATION OF CARCASSES, SEPTEMBER, 1925

Cause	Cattle	Calves	Sheep	Swine
Emaciation	602	77	529	51
Hog cholera				1,961
Inflammatory diseases	745	135	479	1,278
Immaturity		175		
Tuberculosis	5,032	40		5,005
All other causes	1,164	199	623	2,640
Total	7,543	626	1,631	10,935

## IMPORTS OF FOOD ANIMALS AND MEAT PRODUCTS

The statements following show the imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during October, 1925, with figures for other periods for comparison.

*Imports of food animals*

Country of export	Cattle	Swine	Sheep	Goats
Mexico	11,469	334	3,875	
Canada	26,919	333	16,832	4
Great Britain	52			
Total: October, 1925	38,440	667	20,707	4
October, 1924	33,190	5,848	16,223	14
10 months ended October, 1925	175,717	89,018	73,032	211
10 months ended October, 1924	175,037	22,503	52,921	10,120

*Imports of meat and meat food products, October, 1925*

Country of export	Fresh and refrigerated		Canned and cured	Other products	Total weight
	Beef	Other			
Argentina					
Australia					
Canada	2,124,418	1,521,294	189,935	71,984	3,907,631
Uruguay					
Other countries					
Total: October, 1925	2,124,418	1,521,294	787,345	109,273	4,542,330
October, 1924	462,560	2,306,513	726,850	81,494	3,577,417
10 months ended October, 1925	6,194,001	10,407,955	10,616,060	2,085,673	29,303,689
10 months ended October, 1924	10,630,777	10,623,592	9,478,197	1,984,142	32,716,708

Condemned in October, 1925: Beef, 10 pounds; mutton, 53 pounds; pork, 17 pounds; total, 80 pounds.  
Refused entry: Beef, 107 pounds; veal, 280 pounds; pork, 161 pounds; total, 548 pounds.

**SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, OCTOBER, 1925**

State	Tuberculin tests during month			Total to date			Inspector in charge	State official
	Herds or lots	Cattle tested	Cattle reacted	Once tested free herds	Accredited herds	Herds under supervision		
Ala.	254	2,313	4	2,804	193	3,558	R. E. Jackson	C. A. Cary, Auburn.
Ariz.	660	2,908	65	4,228	21	5,325	F. L. Schneider	S. E. Douglas, Phoenix.
Ark.	33	230	0	2,898	26	3,422	H. L. Fry	J. H. Bux, Little Rock.
Calif.	118	3,180	40	2,384	80	2,483	R. Snyder	J. P. Iverson, Sacramento.
Colo.	18	788	19	1,119	73	1,368	W. E. Howe	C. G. Lamb, Denver.
Conn.	375	6,907	665	694	755	2,062	R. L. Smith	J. M. Whittlesey, Hartford.
Del.	326	1,178	21	2,107	1,060	3,782	W. G. Middleton	O. A. Newton, Bridgeville.
D. C.				253	26	286	J. A. Kiernan	
Fla.	63	1,112	21	5,923	379	6,735	J. G. Fish	J. V. Knapp, Tallahassee.
Ga.	375	2,426	6	7,662	39	8,466	A. L. Hirleman	P. F. Bahnsen, Atlanta.
Idaho	1,039	7,724	13	22,132	89	25,254	W. A. Sullivan	W. R. Smith, Boise.
Ill.	6,568	67,610	3,678	74,328	1,248	89,846	J. J. Lintner	F. A. Laird, Springfield.
Ind.	3,151	21,867	227	48,071	13,998	62,658	J. E. Gibson	R. C. Julian, Indianapolis.
Iowa	5,430	91,412	1,724	57,812	5,835	99,098	J. A. Barger	M. G. Thorburn, Des Moines.
Kans.	1,458	17,805	114	21,048	977	22,814	N. L. Townsend	J. H. Mercer, Topeka.
Ky.	1,599	8,469	31	42,012	50	48,963	W. F. Biles	W. H. Simmons, Frankfort.
La.	275	4,066	51	2,607	36	6,198	A. F. Staub	E. P. Flower, Baton Rouge.
Me.	1,055	7,271	98	12,565	2,675	16,910	J. B. Reidy	H. M. Tucker, Augusta.
Md.	785	8,723	481	7,028	1,741	14,623	T. A. Ladson	James B. George, Baltimore.
Mass.	263	4,382	1,187	760	311	1,494	E. A. Crossman	L. H. Howard, Boston.
Mich.	3,467	29,178	282	68,506	161	71,263	T. S. Rich	H. W. Norton, Jr., Lansing.
Minn.	3,748	79,321	2,981	19,526	6,722	29,883	W. J. Fretz	C. E. Cotto, St. Paul.
Miss.	108	2,148	3	1,906	130	2,139	W. W. McPherson	P. P. Garner, Jackson.
Mo.	291	3,306	11	54,869	873	58,152	Ralph Graham	H. A. Wilson, Jefferson City.
Mont.	591	8,726	31	20,648	108	21,485	J. W. Murdoch	W. J. Butler, Helena. *
Nebr.	1,490	22,026	361	26,128	132	27,511	W. C. Herrold	C. H. Hays, Lincoln.
Nev.	90	583	3	2,248	11	3,046	L. C. Butterfield	Edward Records, Reno.
N. H.	364	6,370	630	1,931	1,930	4,162	E. A. Crossman	A. L. Felker, Concord.
N. J.	273	3,782	193	1,720	681	3,399	W. G. Middleton	J. H. McNeil, Trenton.
N. Mex.				3,333	12	3,609	F. L. Schneider	Mat Keenan, Albuquerque.
N. Y.	6,665	71,839	9,029	26,836	16,532	56,117	H. B. Leonard	E. T. Faulder, Albany.
N. C.	5,332	12,755	71	173,021	117	186,071	W. C. Dendinger	Wm. Moore, Raleigh.
N. Dak.	536	9,624	112	21,331	2,982	27,493	H. H. Cohenour	W. F. Crewe, Bismarck.
Ohio	5,982	41,348	1,520	52,134	1,231	56,699	A. J. De Fosset	F. A. Zimmer, Columbus.
Oklra.	9	544	4	79	299	413	H. Grafke	J. A. Whitehurst, Oklahoma City.
Oreg.	1,743	12,841	149	61,904	936	62,920	S. B. Foster	W. H. Lytle, Salem.
Pa.	5,932	43,913	3,381	44,564	3,846	54,462	P. E. Quinn	T. E. Munce, Harrisburg.
R. I.	10	142	64	11	40	89	E. A. Crossman	T. E. Robinson, Providence.
S. C.	389	2,147	4	861	183	6,835	W. K. Lewis	W. K. Lewis, Columbia.
S. Dak.	1,292	29,448	341	1,609	544	2,440	J. O. Wilson	M. W. Ray, Pierre.
Tenn.	487	3,534	31	15,167	249	15,455	H. M. O'Rear	W. B. Lincoln, Nashville.
Tex.	80	3,243	37	735	238	1,192	L. J. Allen	N. F. Williams, Fort Worth.
Utah	2,265	8,415	130	10,163	90	11,131	F. E. Murray	W. H. Hendricks, Salt Lake City.
Vt.	559	11,392	540	1,516	3,729	7,843	L. H. Adams	Edward H. Jones, Montpelier.
Va.	423	5,569	85	5,964	1,791	8,019	R. E. Brookbank	J. G. Ferneyhough, Richmond.
Wash.	1,098	10,505	269	36,059	80	38,636	J. C. Exline	Robert Prior, Olympia.
W. Va.	915	5,192	47	7,302	659	8,096	H. M. Newton	John W. Smith, Charleston.
Wis.	4,044	44,704	637	64,442	7,363	74,736	J. S. Healy	John D. Jones, Jr., Madison.
Wyo.	164	1,527	3	6,532	5	6,952	John T. Dallas	A. W. French, Cheyenne.
Total	72,192	734,493	29,394	1,049,480	81,286	1,275,593		

**LICENSE FOR VETERINARY BIOLOGICAL PRODUCTS**

**LICENSE TERMINATED**

United States veterinary license No. 25, issued January 1, 1921, to the Interstate Vaccine Co., 58 Greystone Avenue, Kansas City, Kans., was terminated November 7, 1925.

**ANTI-HOG CHOLERA SERUM AND HOG-CHOLERA VIRUS PRODUCED  
UNDER VETERINARY LICENSES, OCTOBER, 1925**

	Cubic centimeters
Ordinary serum-----	22, 883, 121
Clear serum-----	21, 983, 412
Total serum-----	44, 866, 533
Simultaneous virus-----	2, 344, 895
Hyperimmunizing virus-----	5, 578, 440

**BUREAU RECOMMENDATIONS ON LIVESTOCK ACTIVITIES COMPILED  
AND ISSUED**

To acquaint Bureau of Animal Industry employees and the public with its recommendations on various questions which arise frequently, the bureau has compiled and issued them in convenient form. The recommendations deal principally with the following subjects: Aims of the bureau, breeding and improvement of livestock, care and management, control of diseases and parasites, education and research.

The compilation is neatly bound in mimeographed form and discusses about 50 topics, a paragraph being devoted to each. Familiarity with this compilation will give bureau employees—particularly those engaged in specialized lines of work—a broad knowledge of other bureau activities. The compilation also embodies the views of the chief of bureau on various questions. The information contained should be especially useful to those employees who come in contact with the public continually or who have occasion to address meetings or prepare articles for publication.

Single copies of the compilation have been mailed to the principal stations of the bureau. Employees desiring personal copies may obtain them on application, through regular channels.

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**RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS**

Penalties have been imposed in prosecutions for violations of regulatory laws, as reported to the bureau, as follows:

**Twenty-Eight-Hour Law**

Alabama & Vicksburg Railway Co., \$100 fine.  
Cincinnati, Indianapolis & Western Railroad Co., \$100 fine.  
Cincinnati, New Orleans & Texas Pacific Railway Co., \$100 fine.  
Kansas City Southern Railway Co., \$100 fine.  
Missouri Pacific Railroad Co. (2 cases), \$200 fines.  
New York Central Railroad Co. (2 cases), \$200 fines.  
Pennsylvania Railroad Co. (2 cases), \$200 fines.

**Livestock Quarantine Law**

Chesapeake & Ohio Railway Co., interstate transportation of cattle without tuberculin test, \$100 fine.

Missouri Pacific Railroad Co., interstate transportation of one dead hog in same car with live animals, \$100 fine.

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**NEW PUBLICATIONS OF THE BUREAU**

[The bureau keeps no mailing list for sending publications to individual employees, but publications are sent in bulk to officers in charge for distribution to members of their forces. The number of copies sent varies with the subject or nature of the publication and the number and class of employees. Officers in charge will use their judgment and distribute publications to best advantage. So far as possible additional copies will be furnished on request.]

Vitamin A in Beef, Pork, and Lamb. By Ralph Hoagland and George G. Snider, Biochemic Division. Journal of Agricultural Research, vol. 31, No. 3, August 1, 1925, pp. 201 to 221, figs. 23. (Separate A-82.)

Carbon Tetrachloride as an Anthelmintic, and the Relation of its Solubility to Anthelmintic Efficacy. By Maurice C. Hall and Eloise B. Cram, Zoological Division. *Journal of Agricultural Research*, vol. 30, No. 10, May 15, 1925, pp. 949 to 953. (Separate A-98.)

Amendment 38 to B. A. I. Order 287. To prevent the spread of foot-and-mouth disease in cattle, sheep, other ruminants, and swine. Defines "Closed area" and "Modified area" in the State of Texas. Effective December 1, 1925. P. 1.

Amendment 6 to B. A. I. Order 294. Declares names of counties placed in modified accredited areas for tuberculosis as follows, for a period of three years from November 2, 1925: Clarke and Clinton Counties, Iowa; Cass and Gage Counties, Nebr.; and Calhoun, Crawford, Ingham, and Muskegon Counties, Mich.

B. A. I. Order 295. Special order providing for shipment of cattle of the nonquarantined area for exhibition at certain fairs held in the quarantined area, as follows: Arkansas State fair, Little Rock, October 12 to 19, 1925; Florida State fair, Jacksonville, November 19 to 28, 1925. Order dated September 4, 1925.

B. A. I. Order 296. To prevent the spread of splenetic, southern, or Texas fever in cattle, effective December 10, 1925. Supersedes all previous quarantine orders.

Directory of the Bureau of Animal Industry, corrected to November 1, 1925. Pp. 62.

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#### ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY

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